

PRATT & WHITNEY AIRCRAFT GROUP

Manufacturing Division

East Hartford, Connecticut 06108

November 19, 1981

U. S. Environmental Protection Agency
Region I, Permits Branch
P. O. Box 8748
Boston, Massachusetts 02114

RCRA RECORDS CENTER
FACILITY *Pratt & Whitney*
I.D. NO. *CTD 990672081*
FILE LOC. *R-1/A*
OTHER *RDMS #2507*

Dear Sirs:

Pursuant to the Environmental Protection Agency's (EPA) regulations applicable to the Resource Conservation and Recovery Act (RCRA), 40 CFR 122.23, enclosed please find Consolidated Permit Application Forms 1 and 3 and supporting documents for the revision of Part A of the EPA Hazardous Waste Management Facility Interim Status application for Pratt & Whitney Aircraft's facility at 400 Main Street, East Hartford, Ct., (CTD 990672081). The revision is necessary due to the proposed installation of an additional process, i.e., a new incinerator for industrial wastes, some of which are hazardous. Justification for this change is included in the application revision as Addendum I. Required photographs were submitted with the original application.

Thank you for your courtesy and cooperation.

Very truly yours,



Robert J. Wise
Assistant Counsel

RJW:ap
Enc.



EPA Form 3510-3 (6-80)

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS P
TONS T

METRIC UNIT OF MEASURE CODE
KILOGRAMS K
METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)		D. PROCESSES								
	1. PROCESS CODES (enter)							2. PROCESS DESCRIPTION (if a code is not entered in D(1))								
X-1	K	0	5	4	900		P	T	0	3	D	8	0			
X-2	D	0	0	2	400		P	T	0	3	D	8	0			
X-3	D	0	0	1	100		P	T	0	3	D	8	0			
X-4	D	0	0	2												included with above

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W C T D 9 9 0 6 7 2 0 8 1													W DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))													
1	D 0 0 0	300,000	T	T 0 1											(RINSEWATER PRETREATMENT)										
2	P 0 3 0														INCLUDED WITH ABOVE										
3	D 0 0 7	1,000,000	T	T 0 1											(RINSEWATER PRETREATMENT)										
4	D 0 0 0	17,400		S 0 2	T 0 1																				
5	D 0 0 2														INCLUDED WITH ABOVE LINE 4										
6	D 0 0 3														"										
7	D 0 0 7														"										
8	F 0 0 7														"										
9	F 0 0 8														"										
10	F 0 0 9														"										
11	F 0 1 1														"										
12	U 1 3 3														"										
13	U 1 3 4														"										
14	U 1 8 8														"										
15	U 2 0 1														"										
16	P 0 2 9	600	T	S 0 2																					
17	P 0 3 0														INCLUDED WITH ABOVE LINE 16										
18	P 0 9 8														"										
19	P 0 9 9														"										
20	P 1 0 6														"										
21	P 1 2 1														"										
22	D 0 0 0	18,000	T	S 0 2																					
23	F 0 0 1	3,000		S 0 1	T 0 3																				
24	F 0 0 2														INCLUDED WITH ABOVE LINE 23										
25	U 0 4 4																								
26	U 0 7 7																								

IV. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

F	C	T	D	9	9	0	6	7	2	0	8	1	T/A	C
														6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

4	1	4	5	0	0
65	64	67	68	69	71

7	2	3	8	0	1
72	74	76	78	79	79

VIII. FACILITY OWNER
☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

E	UNITED TECHNOLOGIES CORP. PRATT & WHITNEY AIRCRAFT GROUP
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2	0	3	5	6	5	4	8	8	7
83	84	88	89	91	92	93	94	95	96

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

F	400 MAIN STREET
---	-----------------

G	EAST HARTFORD
---	---------------

C	T	0	6	1	0	8
40	41	42	43	44	45	46

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

WILLIAM C. MISSIMER
EXECUTIVE VICE PRESIDENT
MANUFACTURING DIVISION

B. SIGNATURE

William C. Missimer

C. DATE SIGNED

November 19, 1981

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

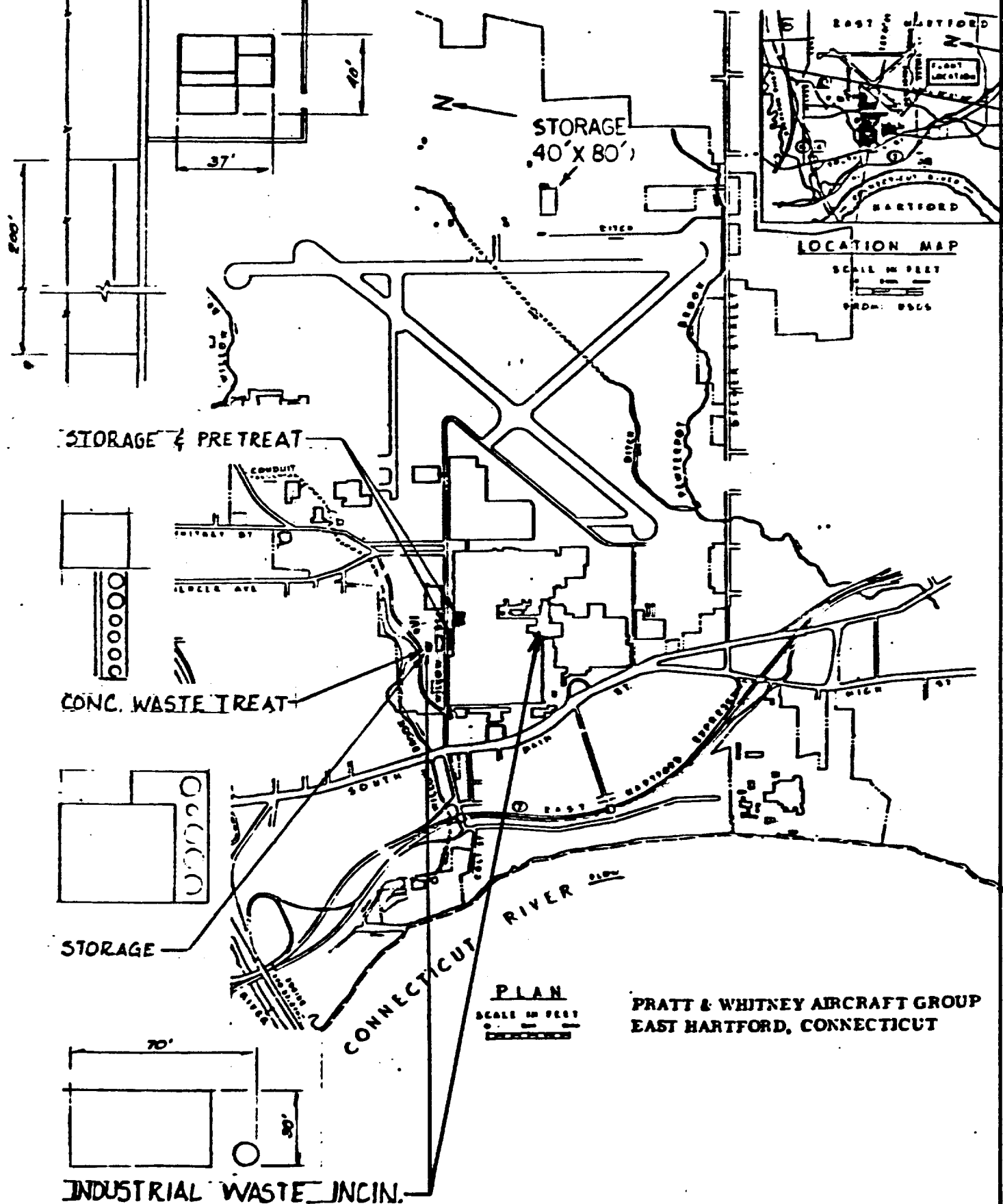
A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE C												
W C T D 9 9 0 6 7 2 0 8 1 T/A C													W DUP T/A C 2 DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))													
1	U 0 8 0																	Included with Line 23 Page 3A							
2	U 2 1 0																	"							
3	U 2 1 1																	"							
4	U 2 6 6																	"							
5	U 2 2 8																	"							
6	F 0 0 3	140	T																						
7	F 0 0 4																	Included with above Line 6							
8	F 0 0 5																	"							
9	P 0 0 5																	"							
10	P 0 1 8																	"							
11	U 0 0 2																	"							
12	U 0 1 2																	"							
13	U 0 2 1																	"							
14	U 0 3 1																	"							
15	U 0 5 2																	"							
16	U 0 5 4																	"							
17	U 0 5 5																	"							
18	U 0 5 6																	"							
19	U 1 0 8																	"							
20	U 1 1 2																	"							
21	U 1 3 8																	"							
22	U 1 4 0																	"							
23	U 1 4 4																	"							
24	U 1 5 4																	"							
25	U 1 5 9																	"							
26	U 1 6 1																	"							

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY										
<div>W C T D 9 9 0 6 7 2 0 8 1</div>													<div>W DUP</div>										
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																							
WASTE NO. LINE	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE				C. UNIT OF MEASURE (enter code)		D. PROCESSES												
	21	22	23	24	25	26	27	28	29	30	1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))				
1	U	1	6	5																			Included with Line 6 Page 3B
2	U	1	6	9																			"
3	U	1	9	6																			"
4	U	2	2	0																			"
5	U	2	2	3																			"
6	U	2	3	8																			"
7	U	2	3	9																			"
8	F	0	1	7		10			T		S	0	1	T	0	3							"
9	F	0	1	8																			Included With Above Line 8
10	D	0	0	0		200			T		S	0	1	T	0	3							
11																							
12																							
13																							
14																							
15																							
16																							
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25																							
26																							

V. FACILITY DRAWING (see page 4)

FORM 1	 EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Program</i> <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;"> C T D 9 9 0 6 7 2 0 8 1 </div>
II. FACILITY NAME III. FACILITY ADDRESS IV. FACILITY LOCATION		PLEASE PLACE LABEL IN THIS SPACE	
<p>GENERAL INSTRUCTIONS</p> <p>If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.</p>			
<p>II. FACILITY INFORMATION</p> <p>1. Does this facility (including A through I) determine whether you are required to submit this form and the supplemental form? (If you answer "no" to each question, then you are exempted from Section C of the instructions.)</p>			
<p>SPECIFIC QUESTIONS</p> <p>A. Is this facility a facility which produces waste which results in a discharge to waters of the U.S.? (FORM 2A)</p> <p>C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2B)</p> <p>E. Does or will this facility treat, store, or dispose of hazardous waste? (FORM 3)</p> <p>G. Does or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, lease fluids, and for enhanced recovery of oil or natural gas, or fluids for storage of liquid hydrocarbons? (FORM 4)</p> <p>I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)</p>		<p>SPECIFIC QUESTIONS</p> <p>B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)</p> <p>D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)</p> <p>F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)</p> <p>H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)</p> <p>J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)</p>	
<p>NAME OF FACILITY</p> <p>PRATT & WHITNEY AIRCRAFT GROUP MD&CPD</p>			
<p>IV. FACILITY CONTACT</p> <p>A. NAME & TITLE (last, first, & title) B. PHONE (area code & no.)</p> <p>WICKWIRE JAMES D PLANT ENGR 203 565 4887</p>			
<p>V. FACILITY MAILING ADDRESS</p> <p>A. STREET OR P.O. BOX B. CITY OR TOWN C. STATE D. ZIP CODE</p> <p>400 MAIN STREET EAST HARTFORD CT 06108</p> <p>E. COUNTY NAME F. COUNTY CODE (if known)</p> <p>HARTFORD 06108</p>			

A. FIRST

3.7.2.4 (specify) JET AIRCRAFT ENGINES
AND ENGINE PARTS

B. SECOND

(specify)

C. THIRD

(specify)

D. FOURTH

(specify)

A. NAME

UNITED TECH CORP PRATT & WHITNEY AIRC GR

400 MAIN STREET

EAST HARTFORD

CT 06108

CT 0001376

53-0020

(specify) CONNECTICUT STATE
EMISSIONS PERMIT

53-0017

(specify) (SEE ATTACHMENT I)

MANUFACTURER OF JET AIRCRAFT ENGINES AND ENGINE PARTS

A. NAME & OFFICIAL TITLE (type or print)

WILLIAM C. MISSIMER
EXECUTIVE VICE PRESIDENT
MANUFACTURING DIVISION

B. SIGNATURE

William C. Missimer

C. DATE SIGNED

November 19, 1981

ATTACHMENT I, FORM I
EPA I.D. NO. CTD99067081

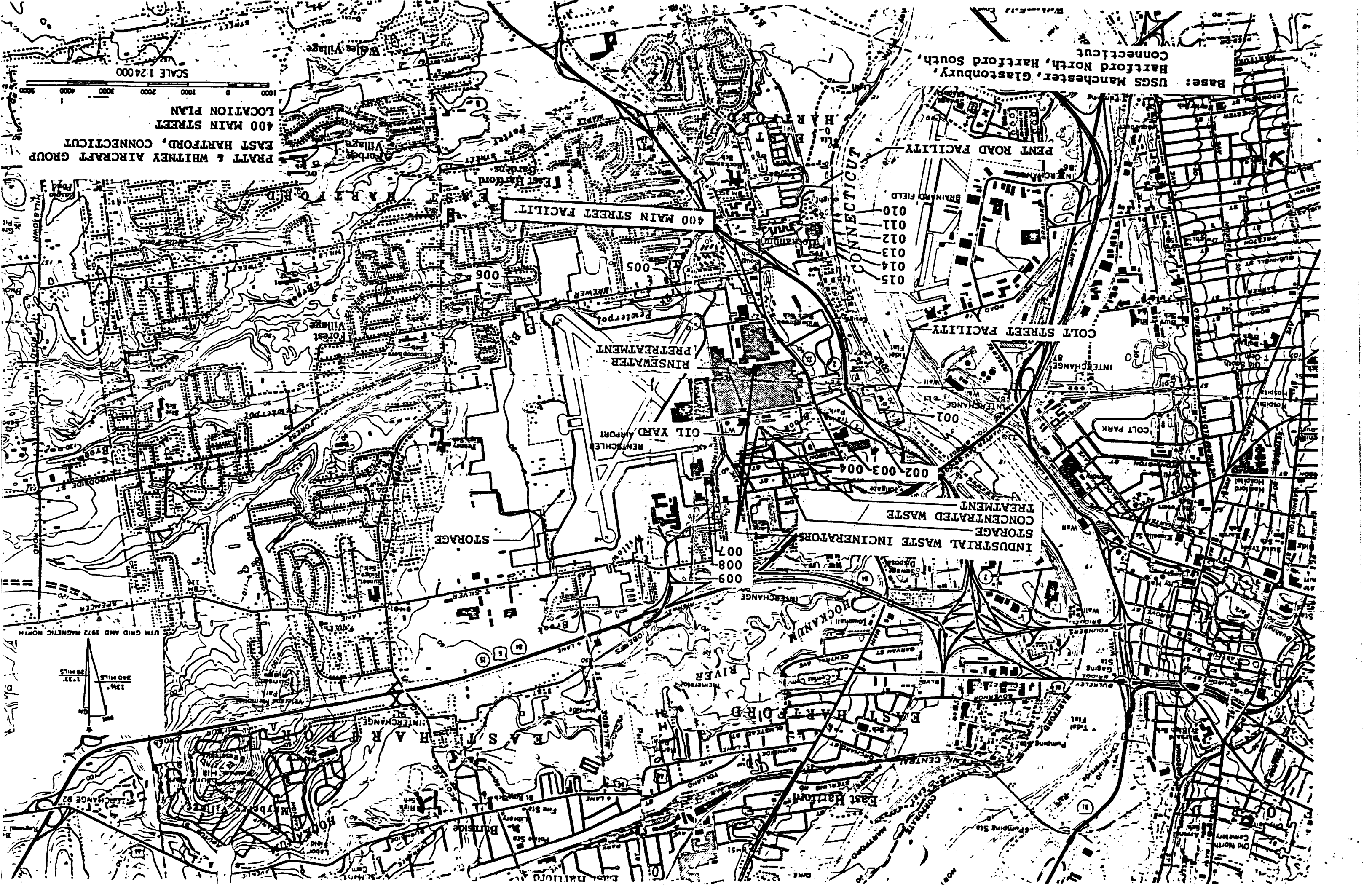
X EXISTING ENVIRONMENTAL PERMITS (Cont'd.)

E. OTHER

P 053-0022	CT STATE EMISSIONS PERMIT
P 053-0024 ¹	" " " "
P 053-0025 ¹	" " " "
P 053-0019	" " " "

1 - PERMIT TO CONSTRUCT

PRATT & WHITNEY AIRCRAFT GROUP
EAST HARTFORD, CONNECTICUT



Base: USCS Manchester, Glastonbury, Hartford North, Hartford South, Connecticut

400 MAIN STREET
LOCATION PLAN

PRATT & WHITNEY AIRCRAFT GROUP
EAST HARTFORD, CONNECTICUT

400 MAIN STREET FACILITY

PENT ROAD FACILITY

COLT STREET FACILITY

RINSEWATER
PRETREATMENT

OIL YARD

INDUSTRIAL WASTE INCINERATORS
STORAGE
CONCENTRATED WASTE
TREATMENT

STORAGE

HOOGAN RIVER

EAST HARTFORD

SCALE 1:24,000

1.37
240 MILES
1.37

ADDENDUM I

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) HAZARDOUS WASTE MANAGEMENT FACILITY - PART A APPLICATION REVISION

This serves as a justification for the revision of the Pratt & Whitney Aircraft Group, Part A, Resource Conservation and Recovery Act (RCRA), Hazardous Waste Management Facility (HWMF) application for the East Hartford Main Plant. This justification is required by Title 40 of the Code of Federal Regulations Part 122.23 c(2). The facility modification that necessitates the revision is reflected on Line 7 of Page 1 of RCRA Form 3. The additional incineration capacity of 0.30 tons per hour (600 pounds per hour) will result from the installation of a rotary kiln incinerator used to incinerate solid and semi-solid industrial wastes. Only a small portion (a maximum of 15%) of the waste to be incinerated is now considered to be a RCRA hazardous waste.

Because of the uncertain ability to continually dispose of its hazardous waste in an approved manner, and of the liability associated with hazardous waste mismanagement, the Pratt & Whitney Aircraft Group, Manufacturing Division has made it a policy to treat and dispose of its industrial waste in-house according to RCRA regulations. Originally the existing industrial waste incinerator, which was under construction on November 19, 1980, was to incinerate solid as well as liquid wastes. Upon further study it has been

determined that only liquid wastes will be incinerated in the existing incinerator. Therefore, an Industronics, Inc. HV-30 incinerator or equivalent with waste heat boiler and scrubber is proposed for the incineration of the solid and semi-solid wastes.

The appropriation for this incinerator system is \$250,000 and the total replacement cost of the East Hartford HWMF is estimated to be \$1.4 million.